ELSEVIER

Surface Science 419 (1999) 326–328

surface science

Author index

Arciprete, F., see Fanfoni 419 (1998) 24
Atrei, A., see Spolveri 419 (1999) 303

Balzarotti, A., see Fanfoni 419 (1998) 24
Bardi, U., see Spolveri 419 (1999) 303
Ben Abdelouahab, F., see Gillet 419 (1999) 216
Berndt, R., see Böhringer 419 (1998) L95
Bertacco, R. and F. Ciccacci, Large spin asymmetry in electron absorption and reflection from oxidized single crystal Fe/MgO(001) films 419 (1999) 265
Besnard-Ramage, M.J., see Carbone 419 (1999) 114
Blowers, P., see Ford 419 (1999) 144
Blowers, P., see Chen 419 (1999) 150
Böhringer, M., W.-D. Schneider, K. Glöckler, E. Umbach and R. Berndt, Adsorption site determination of PTCDA on Ag(110) by manipulation of adatoms 419 (1998) L95
Boselli, A., see Fanfoni 419 (1998) 24

Capitano, A.T., A.M. Gabelnick and J.L. Gland, Gas phase atomic hydrogen reacting with molecular and atomic oxygen to form water on the Pt(111) surface 419 (1999) 104
Carbone, M., M.N. Piancastelli, M.P. Casaletto, R. Zanoni, M.J. Besnard-Ramage, G. Comet, G. Dujardin and L. Hellner, Phenol adsorption on Si(111)7 × 7 studied by synchrotron radiation photoemission and photodesorption 419 (1999) 114
Casaletto, M.P., see Carbone 419 (1999) 114
Chen, N., P. Blowers and R.I. Masel, Formations of hydronium and water–hydronium complexes during coadsorption of hydrogen and water on (2 × 1)Pt(110) 419 (1999) 150
Chen, N.C., see Ford 419 (1999) 144
Chey, S.J., L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100
Chizhov, I., G. Lee, R.F. Willis, D. Lubyshev and D.L. Miller, Evolution of the GaAs(001) surface structure during the transition from the As-rich (2 × 4) to the Ga-rich (4 × 2) reconstruction 419 (1998) 1
Ciccacci, F., see Bertacco 419 (1999) 265
Comet, G., see Carbone 419 (1999) 114
Creemers, C., see Deurinck 419 (1998) 62

De Carvalho, A.V., see Soares 419 (1999) 89
De Carvalho, V.E., see Soares 419 (1999) 89
De Castilho, C.M.C., see Soares 419 (1999) 89
Depondt, Ph., A. Ghazali and J.-C.S. Lévy, Self-locking of a modulated single overlayer in a nanotribology simulation 419 (1998) 29
Deurinck, P. and C. Creemers, Monte Carlo simulation of Cu segregation and ordering at the (110) surface of $Cu_{75}Pd_{25}$ 419 (1998) 62
Di Bona, A., see Luches 419 (1999) 207
Disalvo, J.-P., see Gillet 419 (1999) 216
Du Plessis, J., see Wang 419 (1999) 197
Dujardin, G., see Carbone 419 (1999) 114
Dumas, P., see Hein 419 (1999) 308

Edamoto, K., see Ozawa 419 (1999) 226
El Yakhloufi, M.H., see Gillet 419 (1999) 216

Fanfoni, M., F. Arciprete, F. Patella, A. Boselli, A. Sgarlata, N. Motta and A. Balzarotti, Comparative study of Ag growth on GaAs(001) and (110) surfaces 419 (1998) 24
Ford, L.P., see Nigg 419 (1999) 97
Ford, L.P., P. Blowers, N.C. Chen, I.C. Lee and R.I. Masel, UV/HREELS measurements of the excited states of adsorbed CO: benchmarks for ab initio calculations 419 (1999) 144
Forsthuber, S., see Platzgummer 419 (1999) 236
Fukuda, Y., see Sanada 419 (1999) 120

Gabelnick, A.M., see Capitano 419 (1999) 104
Gayone, J.E., E.A. Sánchez and O. Grizzi, Adsorption kinetics and surface unrelaxation in H:GaAs(110) studied by time-of-flight scattering and recoiling spectrometry 419 (1999) 188
Gazzadi, G.C., see Luches 419 (1999) 207
Ghazali, A., see Depondt 419 (1998) 29
Gillet, E., M.H. El Yakhloufi, J.-P. Disalvo and F. Ben Abdelouahab, In situ characterization of ultra-thin palladium deposits on α- and γ-alumina 419 (1999) 216
Girardet, C., see Soetens 419 (1998) 48
Gland, J.L., see Capitano 419 (1999) 104
Glöckler, K., see Böhringer 419 (1998) L95
Graham, T.M., see Kamna 419 (1998) 12
Grizzi, O., see Gayone 419 (1999) 188

Günster, J., H. Kawanowa, T. Tanaka and R. Souda, An investigation of the $YB_{66}(100)$ surface 419 (1998) 38

Hasegawa, S., see Nagao 419 (1999) 134
Hein, M., P. Dumas, A. Otto and G.P. Williams, Friction of conduction electrons with adsorbates. Simultaneous changes of DC resistance and broadband IR reflectance of thin Cu(111) films exposed to CO 419 (1999) 308
Hellner, L., see Carbone 419 (1999) 114
Henderson, M.A., A surface perspective on self-diffusion in rutile TiO_2 419 (1999) 174
Henzler, M., Comment on "Rotated incommensurate domains of Co ultrathin films on Pt(111)" by J.S. Tsay and C.S. Shern. [Surf. Sci. 396 (1998) 319] 419 (1999) 321
Hoang, P.N.M., see Soetens 419 (1998) 48
Hofer, W., see Platzgummer 419 (1999) 236
Huang, L., see Chey 419 (1998) L100

Ichikawa, S., see Sanada 419 (1999) 120
Ishikawa, S., see Ozawa 419 (1999) 226
Iwasaki, H., see Sudoh 419 (1999) 128

Jacobi, K., see Setzer 419 (1999) 291

Kamata, M., see Sanada 419 (1999) 120
Kamna, M.M., T.M. Graham, J.C. Love and P.S. Weiss, Strong electronic perturbation of the Cu{111} surface by 7,7′, 8,8′-tetracyanoquinonedimethane 419 (1998) 12
Kaneda, G., see Sanada 419 (1999) 120
Kato, H., see Ozawa 419 (1999) 226
Kawanowa, H., see Günster 419 (1998) 38
Koel, B.E., see Saliba 419 (1999) 79
Koller, R., see Platzgummer 419 (1999) 236

Lee, G., see Chizhov 419 (1998) 1
Lee, I.C., see Ford 419 (1999) 144
Lévy, J.-C.S., see Depondt 419 (1998) 29
Love, J.C., see Kamna 419 (1998) 12
Lubyshev, D., see Chizhov 419 (1998) 1
Luches, P., G.C. Gazzadi, A. di Bona, L. Marassi, L. Pasquali, S. Valeri and S. Nannarone, Epitaxial growth of ultrathin Fe Films on Ni(001): a structural study 419 (1999) 207
Lutz, B.R., see Nolan 419 (1998) L107

Marassi, L., see Luches 419 (1999) 207
Martynyuk, V., see Spolveri 419 (1999) 303
Masel, R.I., see Nigg 419 (1999) 97
Masel, R.I., see Ford 419 (1999) 144
Masel, R.I., see Chen 419 (1999) 150
Matsuoka, Y., see Nagao 419 (1999) 134
Menzel, D., see Stichler 419 (1999) 272
Miller, D.L., see Chizhov 419 (1998) 1
Millot, C., see Soetens 419 (1998) 48
Mochizuki, S., see Sanada 419 (1999) 120
Motta, N., see Fanfoni 419 (1998) 24
Mullins, C.B., see Nolan 419 (1998) L107

Nagao, T., S. Ohuchi, Y. Matsuoka and S. Hasegawa, Morphology of ultrathin manganese silicide on Si(111) 419 (1999) 134
Nagatomi, T., R. Shimizu and R.H. Ritchie, Energy loss functions for electron energy loss spectroscopy 419 (1999) 158
Nannarone, S., see Luches 419 (1999) 207
Nascimento, V.B., see Soares 419 (1999) 89
Nigg, H.L., L.P. Ford and R.I. Masel, The surface chemistry of 1,1,1-trifluoro-2,4-pentanedione on clean and oxygen precovered Cu(210). A comparison with 1,1,1,5,5,5-hexafluoro-2,4-pentanedione and 2,4-pentanedione surface chemistry on the same surfaces 419 (1999) 97
Nolan, P.D., B.R. Lutz, P.L. Tanaka and C.B. Mullins, Direct verification of a high-translational-energy molecular precursor to oxygen dissociation on Pd(111) 419 (1998) L107

Ohuchi, S., see Nagao 419 (1999) 134
Otani, S., see Ozawa 419 (1999) 226
Otto, A., see Hein 419 (1999) 308
Ozawa, K., S. Ishikawa, K. Edamoto, H. Kato and S. Otani, Na adsorption on the polar NbC(111) surface 419 (1999) 226

Panja, C., see Saliba 419 (1999) 79
Pasquali, L., see Luches 419 (1999) 207
Patella, F., see Fanfoni 419 (1998) 24
Piancastelli, M.N., see Carbone 419 (1999) 114
Platen, J., see Setzer 419 (1999) 291
Platzgummer, E., M. Sporn, R. Koller, S. Forsthuber, M. Schmid, W. Hofer and P. Varga, Temperature-dependent segregation on $Pt_{25}Rh_{75}(111)$ and (100) 419 (1999) 236

Ranke, W., see Setzer 419 (1999) 291
Ritchie, R.H., see Nagatomi 419 (1999) 158
Rovida, G., see Spolveri 419 (1999) 303

Saliba, N.A., Y.-L. Tsai, C. Panja and B.E. Koel, Oxidation of Pt(111) by ozone (O_3) under UHV conditions 419 (1999) 79
Sanada, N., S. Mochizuki, S. Ichikawa, N. Utsumi, M. Shimomura, G. Kaneda, A. Takeuchi, Y. Suzuki, Y. Fukuda, S. Tanaka and M. Kamata, The (2×4) and (2×1) structures of the clean GaP(001) surface 419 (1999) 120
Sánchez, E.A., see Gayone 419 (1999) 188
Schmid, M., see Platzgummer 419 (1999) 236
Schneider, W.-D., see Böhringer 419 (1998) L95
Setzer, C., J. Platen, W. Ranke and K. Jacobi, Low energy electron diffraction and photoelectron spectroscopy study of GaAs(113)A and $(\bar{1}\bar{1}\bar{3})$B surfaces prepared by molecular beam epitaxy and by ion bombardment and annealing 419 (1999) 291
Sgarlata, A., see Fanfoni 419 (1998) 24
Shern, C.S., see Tsay 419 (1999) 325
Shimizu, R., see Nagatomi 419 (1999) 158
Shimomura, M., see Sanada 419 (1999) 120
Soares, E.A., V.B. Nascimento, V.E. de Carvalho, C.M.C. de Castilho, A.V. de Carvalho, R. Toomes and D.P. Woodruff,

Structure determination of Ag(111) by low-energy electron diffraction 419 (1999) 89
Soetens, J.C., C. Millot, P.N.M. Hoang and C. Girardet, Molecular dynamics simulation of polarizable ice adlayers on MgO(100) 419 (1998) 48
Souda, R., see Günster 419 (1998) 38
Spolveri, I., A. Atrei, U. Bardi, M. Torrini, G. Rovida, V. Martynyuk and M. Vasiliev, A study of the FeSi(100) surface by X-ray photoelectron diffraction and low-energy ion scattering 419 (1999) 303
Sporn, M., see Platzgummer 419 (1999) 236
Stichler, M. and D. Menzel, A systematic investigation of the geometrical structures of four oxygen/nitric oxide coadsorbate layers on Ru(001) 419 (1999) 272
Sudoh, K., T. Yoshinobu and H. Iwasaki, Statistical analysis of step meandering on Si(113) miscut along a low symmetry azimuth 419 (1999) 128
Suzuki, Y., see Sanada 419 (1999) 120

Takeuchi, A., see Sanada 419 (1999) 120
Tanaka, P.L., see Nolan 419 (1998) L107
Tanaka, S., see Sanada 419 (1999) 120
Tanaka, T., see Günster 419 (1998) 38
Terblans, J.J., see Wang 419 (1999) 197
Toomes, R., see Soares 419 (1999) 89
Torrini, M., see Spolveri 419 (1999) 303
Tsai, Y.-L., see Saliba 419 (1999) 79
Tsay, J.S. and C.S. Shern, Reply to "Comment on "Rotated incommensurate domains of Co ultrathin films on Pt(111)" by J.S. Tsay and C.S. Shern". [Surf. Sci. 396 (1998) 319] 419 (1999) 325

Umbach, E., see Böhringer 419 (1998) L95
Utsumi, N., see Sanada 419 (1999) 120

Valeri, S., see Luches 419 (1999) 207
Van Wyk, G.N., see Wang 419 (1999) 197
Varga, P., see Platzgummer 419 (1999) 236
Vasiliev, M., see Spolveri 419 (1999) 303

Wang, J.Y., J. du Plessis, J.J. Terblans and G.N. van Wyk, The discontinuous surface transition in the Cu(111)(Ag) binary segregating system 419 (1999) 197
Weaver, J.H., see Chey 419 (1998) L100
Weiss, P.S., see Kamna 419 (1998) 12
Williams, G.P., see Hein 419 (1999) 308
Willis, R.F., see Chizhov 419 (1998) 1
Wittmaack, K., Ion-induced electron emission as a means of studying energy- and angle-dependent compositional changes of solids bombarded with reactive ions. I. Oxygen bombardment of silicon 419 (1999) 249
Woodruff, D.P., see Soares 419 (1999) 89

Yoshinobu, T., see Sudoh 419 (1999) 128

Zanoni, R., see Carbone 419 (1999) 114

ELSEVIER

Surface Science 419 (1999) 329–334

surface science

Subject index

THEORETICAL METHODS, MODELS AND TECHNIQUES

Ab initio quantum chemical methods and calculations

L.P. Ford, P. Blowers, N.C. Chen, I.C. Lee and R.I. Masel, UV/HREELS measurements of the excited states of adsorbed CO: benchmarks for ab initio calculations 419 (1999) 144

N. Chen, P. Blowers and R.I. Masel, Formations of hydronium and water–hydronium complexes during coadsorption of hydrogen and water on (2 × 1)Pt(110) 419 (1999) 150

Computer simulations

Ph. Depondt, A. Ghazali and J.-C.S. Lévy, Self-locking of a modulated single overlayer in a nanotribology simulation 419 (1998) 29

J.C. Soetens, C. Millot, P.N.M. Hoang and C. Girardet, Molecular dynamics simulation of polarizable ice adlayers on MgO(100) 419 (1998) 48

Electron–solid interactions, scattering, diffraction

R. Bertacco and F. Ciccacci, Large spin asymmetry in electron absorption and reflection from oxidized single crystal Fe/MgO(001) films 419 (1999) 265

Equilibrium thermodynamics and statistical mechanics

K. Sudoh, T. Yoshinobu and H. Iwasaki, Statistical analysis of step meandering on Si(113) miscut along a low symmetry azimuth 419 (1999) 128

J.Y. Wang, J. du Plessis, J.J. Terblans and G.N. van Wyk, The discontinuous surface transition in the Cu(111)(Ag) binary segregating system 419 (1999) 197

Ion–solid interactions, scattering, channeling

K. Wittmaack, Ion-induced electron emission as a means of studying energy- and angle-dependent compositional changes of solids bombarded with reactive ions. I. Oxygen bombardment of silicon 419 (1999) 249

Jellium models

M. Hein, P. Dumas, A. Otto and G.P. Williams, Friction of conduction electrons with adsorbates. Simultaneous changes of DC resistance and broadband IR reflectance of thin Cu(111) films exposed to CO 419 (1999) 308

Models of surface kinetics

M. Fanfoni, F. Arciprete, F. Patella, A. Boselli, A. Sgarlata, N. Motta and A. Balzarotti, Comparative study of Ag growth on GaAs(001) and (110) surfaces 419 (1998) 24

Molecular dynamics

J.C. Soetens, C. Millot, P.N.M. Hoang and C. Girardet, Molecular dynamics simulation of polarizable ice adlayers on MgO(100) 419 (1998) 48

Semi-empirical models and model calculations

J.C. Soetens, C. Millot, P.N.M. Hoang and C. Girardet, Molecular dynamics simulation of polarizable ice adlayers on MgO(100) 419 (1998) 48

EXPERIMENTAL SAMPLE PREPARATION AND CHARACTERIZATION METHODS

Auger electron spectroscopy

N.A. Saliba, Y.-L. Tsai, C. Panja and B.E. Koel, Oxidation of Pt(111) by ozone (O_3) under UHV conditions 419 (1999) 79

J.Y. Wang, J. du Plessis, J.J. Terblans and G.N. van Wyk, The discontinuous surface transition in the Cu(111)(Ag) binary segregating system 419 (1999) 197

M. Henzler, Comment on "Rotated incommensurate domains of Co ultrathin films on Pt(111)" by J.S. Tsay and C.S. Shern. [Surf. Sci. 396 (1998) 319] 419 (1999) 321

J.S. Tsay and C.S. Shern, Reply to "Comment on "Rotated incommensurate domains of Co ultrathin films on Pt(111)" by J.S. Tsay and C.S. Shern". [Surf. Sci. 396 (1998) 319] 419 (1999) 325

Electron emission measurements

K. Wittmaack, Ion-induced electron emission as a means of studying energy- and angle-dependent compositional changes of solids bombarded with reactive ions. I. Oxygen bombardment of silicon 419 (1999) 249

Electron energy loss spectroscopy

P.D. Nolan, B.R. Lutz, P.L. Tanaka and C.B. Mullins, Direct

verification of a high-translational-energy molecular precursor to oxygen dissociation on Pd(111) 419 (1998) L107
M. Fanfoni, F. Arciprete, F. Patella, A. Boselli, A. Sgarlata, N. Motta and A. Balzarotti, Comparative study of Ag growth on GaAs(001) and (110) surfaces 419 (1998) 24
L.P. Ford, P. Blowers, N.C. Chen, I.C. Lee and R.I. Masel, UV/HREELS measurements of the excited states of adsorbed CO: benchmarks for ab initio calculations 419 (1999) 144
N. Chen, P. Blowers and R.I. Masel, Formations of hydronium and water–hydronium complexes during coadsorption of hydrogen and water on (2 × 1)Pt(110) 419 (1999) 150
T. Nagatomi, R. Shimizu and R.H. Ritchie, Energy loss functions for electron energy loss spectroscopy 419 (1999) 158
M.A. Henderson, A surface perspective on self-diffusion in rutile TiO_2 419 (1999) 174

Electron–solid diffraction

P. Luches, G.C. Gazzadi, A. di Bona, L. Marassi, L. Pasquali, S. Valeri and S. Nannarone, Epitaxial growth of ultrathin Fe Films on Ni(001): a structural study 419 (1999) 207
M. Stichler and D. Menzel, A systematic investigation of the geometrical structures of four oxygen/nitric oxide coadsorbate layers on Ru(001) 419 (1999) 272

Low energy electron diffraction (LEED)

I. Chizhov, G. Lee, R.F. Willis, D. Lubyshev and D.L. Miller, Evolution of the GaAs(001) surface structure during the transition from the As-rich (2 × 4) to the Ga-rich (4 × 2) reconstruction 419 (1998) 1
N.A. Saliba, Y.-L. Tsai, C. Panja and B.E. Koel, Oxidation of Pt(111) by ozone (O_3) under UHV conditions 419 (1999) 79
E.A. Soares, V.B. Nascimento, V.E. de Carvalho, C.M.C. de Castilho, A.V. de Carvalho, R. Toomes and D.P. Woodruff, Structure determination of Ag(111) by low-energy electron diffraction 419 (1999) 89
E. Platzgummer, M. Sporn, R. Koller, S. Forsthuber, M. Schmid, W. Hofer and P. Varga, Temperature-dependent segregation on $Pt_{25}Rh_{75}$(111) and (100) 419 (1999) 236
M. Stichler and D. Menzel, A systematic investigation of the geometrical structures of four oxygen/nitric oxide coadsorbate layers on Ru(001) 419 (1999) 272
C. Setzer, J. Platen, W. Ranke and K. Jacobi, Low energy electron diffraction and photoelectron spectroscopy study of GaAs(113)A and ($\bar{1}\bar{1}\bar{3}$)B surfaces prepared by molecular beam epitaxy and by ion bombardment and annealing 419 (1999) 291
M. Henzler, Comment on "Rotated incommensurate domains of Co ultrathin films on Pt(111)" by J.S. Tsay and C.S. Shern. [Surf. Sci. 396 (1998) 319] 419 (1999) 321
J.S. Tsay and C.S. Shern, Reply to "Comment on "Rotated incommensurate domains of Co ultrathin films on Pt(111)" by J.S. Tsay and C.S. Shern". [Surf. Sci. 396 (1998) 319] 419 (1999) 325

Photoelectron diffraction

N. Sanada, S. Mochizuki, S. Ichikawa, N. Utsumi, M. Shimomura, G. Kaneda, A. Takeuchi, Y. Suzuki, Y. Fukuda, S. Tanaka and M. Kamata, The (2 × 4) and (2 × 1) structures of the clean GaP(001) surface 419 (1999) 120
I. Spolveri, A. Atrei, U. Bardi, M. Torrini, G. Rovida, V. Martynyuk and M. Vasiliev, A study of the FeSi(100) surface by X-ray photoelectron diffraction and low-energy ion scattering 419 (1999) 303

Reflection high-energy electron diffraction (RHEED)

T. Nagao, S. Ohuchi, Y. Matsuoka and S. Hasegawa, Morphology of ultrathin manganese silicide on Si(111) 419 (1999) 134

Electron–solid scattering and transmission – elastic

R. Bertacco and F. Ciccacci, Large spin asymmetry in electron absorption and reflection from oxidized single crystal Fe/MgO(001) films 419 (1999) 265

Ion implantation

K. Wittmaack, Ion-induced electron emission as a means of studying energy- and angle-dependent compositional changes of solids bombarded with reactive ions. I. Oxygen bombardment of silicon 419 (1999) 249

Ion scattering spectroscopy

J. Günster, H. Kawanowa, T. Tanaka and R. Souda, An investigation of the YB_{66}(100) surface 419 (1998) 38

Low energy ion scattering (LEIS)

J.E. Gayone, E.A. Sánchez and O. Grizzi, Adsorption kinetics and surface unrelaxation in H:GaAs(110) studied by time-of-flight scattering and recoiling spectrometry 419 (1999) 188
E. Platzgummer, M. Sporn, R. Koller, S. Forsthuber, M. Schmid, W. Hofer and P. Varga, Temperature-dependent segregation on $Pt_{25}Rh_{75}$(111) and (100) 419 (1999) 236
I. Spolveri, A. Atrei, U. Bardi, M. Torrini, G. Rovida, V. Martynyuk and M. Vasiliev, A study of the FeSi(100) surface by X-ray photoelectron diffraction and low-energy ion scattering 419 (1999) 303

Magnetic measurements

R. Bertacco and F. Ciccacci, Large spin asymmetry in electron absorption and reflection from oxidized single crystal Fe/MgO(001) films 419 (1999) 265

Molecular beam epitaxy

C. Setzer, J. Platen, W. Ranke and K. Jacobi, Low energy electron diffraction and photoelectron spectroscopy study of GaAs(113)A and ($\bar{1}\bar{1}\bar{3}$)B surfaces prepared by molecular beam epitaxy and by ion bombardment and annealing 419 (1999) 291

Photoelectron spectroscopy

M. Stichler and D. Menzel, A systematic investigation of the geometrical structures of four oxygen/nitric oxide coadsorbate layers on Ru(001) 419 (1999) 272

Angle resolved photoemission

K.Ozawa, S. Ishikawa, K. Edamoto, H. Kato and S. Otani, Na adsorption on the polar NbC(111) surface 419 (1999) 226

C. Setzer, J. Platen, W. Ranke and K. Jacobi, Low energy electron diffraction and photoelectron spectroscopy study of GaAs(113)A and ($\bar{1}\bar{1}\bar{3}$)B surfaces prepared by molecular beam epitaxy and by ion bombardment and annealing 419 (1999) 291

Soft X-ray photoelectron spectroscopy (using synchrotron radiation)

M. Stichler and D. Menzel, A systematic investigation of the geometrical structures of four oxygen/nitric oxide coadsorbate layers on Ru(001) 419 (1999) 272

C. Setzer, J. Platen, W. Ranke and K. Jacobi, Low energy electron diffraction and photoelectron spectroscopy study of GaAs(113)A and ($\bar{1}\bar{1}\bar{3}$)B surfaces prepared by molecular beam epitaxy and by ion bombardment and annealing 419 (1999) 291

Visible and ultraviolet photoelectron spectroscopy

M. Henzler, Comment on "Rotated incommensurate domains of Co ultrathin films on Pt(111)" by J.S. Tsay and C.S. Shern. [Surf. Sci. 396 (1998) 319] 419 (1999) 321

J.S. Tsay and C.S. Shern, Reply to "Comment on "Rotated incommensurate domains of Co ultrathin films on Pt(111)" by J.S. Tsay and C.S. Shern". [Surf. Sci. 396 (1998) 319] 419 (1999) 325

Synchrotron radiation photoelectron spectroscopy

N. Sanada, S. Mochizuki, S. Ichikawa, N. Utsumi, M. Shimomura, G. Kaneda, A. Takeuchi, Y. Suzuki, Y. Fukuda, S. Tanaka and M. Kamata, The (2 × 4) and (2 × 1) structures of the clean GaP(001) surface 419 (1999) 120

Reflection spectroscopy

M. Hein, P. Dumas, A. Otto and G.P. Williams, Friction of conduction electrons with adsorbates. Simultaneous changes of DC resistance and broadband IR reflectance of thin Cu(111) films exposed to CO 419 (1999) 308

Scanning tunneling microscopy

M. Böhringer, W.-D. Schneider, K. Glöckler, E. Umbach and R. Berndt, Adsorption site determination of PTCDA on Ag(110) by manipulation of adatoms 419 (1998) L95

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

I. Chizhov, G. Lee, R.F. Willis, D. Lubyshev and D.L. Miller, Evolution of the GaAs(001) surface structure during the transition from the As-rich (2 × 4) to the Ga-rich (4 × 2) reconstruction 419 (1998) 1

M.M. Kamna, T.M. Graham, J.C. Love and P.S. Weiss, Strong electronic perturbation of the Cu{111} surface by 7,7′, 8,8′-tetracyanoquinonedimethane 419 (1998) 12

M. Fanfoni, F. Arciprete, F. Patella, A. Boselli, A. Sgarlata, N. Motta and A. Balzarotti, Comparative study of Ag growth on GaAs(001) and (110) surfaces 419 (1998) 24

J. Günster, H. Kawanowa, T. Tanaka and R. Souda, An investigation of the YB_{66}(100) surface 419 (1998) 38

N. Sanada, S. Mochizuki, S. Ichikawa, N. Utsumi, M. Shimomura, G. Kaneda, A. Takeuchi, Y. Suzuki, Y. Fukuda, S. Tanaka and M. Kamata, The (2 × 4) and (2 × 1) structures of the clean GaP(001) surface 419 (1999) 120

K. Sudoh, T. Yoshinobu and H. Iwasaki, Statistical analysis of step meandering on Si(113) miscut along a low symmetry azimuth 419 (1999) 128

T. Nagao, S. Ohuchi, Y. Matsuoka and S. Hasegawa, Morphology of ultrathin manganese silicide on Si(111) 419 (1999) 134

Secondary ion mass spectroscopy

M.A. Henderson, A surface perspective on self-diffusion in rutile TiO_2 419 (1999) 174

E. Gillet, M.H. El Yakhloufi, J.-P. Disalvo and F. Ben Abdelouahab, In situ characterization of ultra-thin palladium deposits on α- and γ-alumina 419 (1999) 216

Thermal desorption spectroscopy

N.A. Saliba, Y.-L. Tsai, C. Panja and B.E. Koel, Oxidation of Pt(111) by ozone (O_3) under UHV conditions 419 (1999) 79

Work function measurements

E. Gillet, M.H. El Yakhloufi, J.-P. Disalvo and F. Ben Abdelouahab, In situ characterization of ultra-thin palladium deposits on α- and γ-alumina 419 (1999) 216

PHENOMENA

Adhesion

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

Adsorption kinetics

P.D. Nolan, B.R. Lutz, P.L. Tanaka and C.B. Mullins, Direct verification of a high-translational-energy molecular precursor to oxygen dissociation on Pd(111) 419 (1998) L107

N.A. Saliba, Y.-L. Tsai, C. Panja and B.E. Koel, Oxidation of Pt(111) by ozone (O_3) under UHV conditions 419 (1999) 79

J.E. Gayone, E.A. Sánchez and O. Grizzi, Adsorption kinetics and surface unrelaxation in H:GaAs(110) studied by time-of-flight scattering and recoiling spectrometry 419 (1999) 188

Atom–solid interactions

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

K.Ozawa, S. Ishikawa, K. Edamoto, H. Kato and S. Otani, Na adsorption on the polar NbC(111) surface 419 (1999) 226

Catalysis

P.D. Nolan, B.R. Lutz, P.L. Tanaka and C.B. Mullins, Direct verification of a high-translational-energy molecular precursor to oxygen dissociation on Pd(111) 419 (1998) L107

Chemisorption

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

N.A. Saliba, Y.-L. Tsai, C. Panja and B.E. Koel, Oxidation of Pt(111) by ozone (O_3) under UHV conditions 419 (1999) 79

N. Chen, P. Blowers and R.I. Masel, Formations of hydronium and water–hydronium complexes during coadsorption of hydrogen and water on (2 × 1)Pt(110) 419 (1999) 150

J.E. Gayone, E.A. Sánchez and O. Grizzi, Adsorption kinetics and surface unrelaxation in H:GaAs(110) studied by time-of-flight scattering and recoiling spectrometry 419 (1999) 188

M. Stichler and D. Menzel, A systematic investigation of the geometrical structures of four oxygen/nitric oxide coadsorbate layers on Ru(001) 419 (1999) 272

Compound formation

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

N. Chen, P. Blowers and R.I. Masel, Formations of hydronium and water–hydronium complexes during coadsorption of hydrogen and water on (2 × 1)Pt(110) 419 (1999) 150

Conductivity

M. Hein, P. Dumas, A. Otto and G.P. Williams, Friction of conduction electrons with adsorbates. Simultaneous changes of DC resistance and broadband IR reflectance of thin Cu(111) films exposed to CO 419 (1999) 308

Crystallization

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

Diffusion and migration

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

M.A. Henderson, A surface perspective on self-diffusion in rutile TiO_2 419 (1999) 174

Electron emission

K. Wittmaack, Ion-induced electron emission as a means of studying energy- and angle-dependent compositional changes of solids bombarded with reactive ions. I. Oxygen bombardment of silicon 419 (1999) 249

Electron–solid interactions

T. Nagatomi, R. Shimizu and R.H. Ritchie, Energy loss functions for electron energy loss spectroscopy 419 (1999) 158

R. Bertacco and F. Ciccacci, Large spin asymmetry in electron absorption and reflection from oxidized single crystal Fe/MgO(001) films 419 (1999) 265

Epitaxy

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

T. Nagao, S. Ohuchi, Y. Matsuoka and S. Hasegawa, Morphology of ultrathin manganese silicide on Si(111) 419 (1999) 134

P. Luches, G.C. Gazzadi, A. di Bona, L. Marassi, L. Pasquali, S. Valeri and S. Nannarone, Epitaxial growth of ultrathin Fe Films on Ni(001): a structural study 419 (1999) 207

Etching

H.L. Nigg, L.P. Ford and R.I. Masel, The surface chemistry of 1,1,1-trifluoro-2,4-pentanedione on clean and oxygen precovered Cu(210). A comparison with 1,1,1,5,5,5-hexafluoro-2,4-pentanedione and 2,4-pentanedione surface chemistry on the same surfaces 419 (1999) 97

Friction

Ph. Depondt, A. Ghazali and J.-C.S. Lévy, Self-locking of a modulated single overlayer in a nanotribology simulation 419 (1998) 29

Growth

P. Luches, G.C. Gazzadi, A. di Bona, L. Marassi, L. Pasquali, S. Valeri and S. Nannarone, Epitaxial growth of ultrathin Fe Films on Ni(001): a structural study 419 (1999) 207

Interface states

M. Fanfoni, F. Arciprete, F. Patella, A. Boselli, A. Sgarlata, N. Motta and A. Balzarotti, Comparative study of Ag growth on GaAs(001) and (110) surfaces 419 (1998) 24

Ion bombardment

J. Günster, H. Kawanowa, T. Tanaka and R. Souda, An investigation of the YB_{66}(100) surface 419 (1998) 38

M.A. Henderson, A surface perspective on self-diffusion in rutile TiO_2 419 (1999) 174

K. Wittmaack, Ion-induced electron emission as a means of studying energy- and angle-dependent compositional changes of solids bombarded with reactive ions. I. Oxygen bombardment of silicon 419 (1999) 249

Ion implantation

K. Wittmaack, Ion-induced electron emission as a means of studying energy- and angle-dependent compositional changes of solids bombarded with reactive ions. I. Oxygen bombardment of silicon 419 (1999) 249

Magnetic phenomena (cyclotron resonance, phase transitions, etc.)

R. Bertacco and F. Ciccacci, Large spin asymmetry in electron absorption and reflection from oxidized single crystal Fe/MgO(001) films 419 (1999) 265

Nucleation

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

Oxidation

P.D. Nolan, B.R. Lutz, P.L. Tanaka and C.B. Mullins, Direct verification of a high-translational-energy molecular precursor to oxygen dissociation on Pd(111) 419 (1998) L107

N.A. Saliba, Y.-L. Tsai, C. Panja and B.E. Koel, Oxidation of Pt(111) by ozone (O_3) under UHV conditions 419 (1999) 79

K. Wittmaack, Ion-induced electron emission as a means of studying energy- and angle-dependent compositional changes of solids bombarded with reactive ions. I. Oxygen bombardment of silicon 419 (1999) 249

Photoelectron diffraction

N. Sanada, S. Mochizuki, S. Ichikawa, N. Utsumi, M. Shimomura, G. Kaneda, A. Takeuchi, Y. Suzuki, Y. Fukuda, S. Tanaka and M. Kamata, The (2×4) and (2×1) structures of the clean GaP(001) surface 419 (1999) 120

Physical adsorption

Ph. Depondt, A. Ghazali and J.-C.S. Lévy, Self-locking of a modulated single overlayer in a nanotribology simulation 419 (1998) 29

J.C. Soetens, C. Millot, P.N.M. Hoang and C. Girardet, Molecular dynamics simulation of polarizable ice adlayers on MgO(100) 419 (1998) 48

Self-assembly

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

M.M. Kamna, T.M. Graham, J.C. Love and P.S. Weiss, Strong electronic perturbation of the Cu{111} surface by 7,7′, 8,8′-tetracyanoquinonedimethane 419 (1998) 12

Sputtering

M.A. Henderson, A surface perspective on self-diffusion in rutile TiO_2 419 (1999) 174

Surface chemical reaction

H.L. Nigg, L.P. Ford and R.I. Masel, The surface chemistry of 1,1,1-trifluoro-2,4-pentanedione on clean and oxygen precovered Cu(210). A comparison with 1,1,1,5,5,5-hexafluoro-2,4-pentanedione and 2,4-pentanedione surface chemistry on the same surfaces 419 (1999) 97

Surface electrical transport (surface conductivity, surface recombination, etc.)

M. Hein, P. Dumas, A. Otto and G.P. Williams, Friction of conduction electrons with adsorbates. Simultaneous changes of DC resistance and broadband IR reflectance of thin Cu(111) films exposed to CO 419 (1999) 308

Surface electronic phenomena (work function, surface potential, surface states, etc.)

M.M. Kamna, T.M. Graham, J.C. Love and P.S. Weiss, Strong electronic perturbation of the Cu{111} surface by 7,7′, 8,8′-tetracyanoquinonedimethane 419 (1998) 12

R. Bertacco and F. Ciccacci, Large spin asymmetry in electron absorption and reflection from oxidized single crystal Fe/MgO(001) films 419 (1999) 265

Surface relaxation and reconstruction

Ph. Depondt, A. Ghazali and J.-C.S. Lévy, Self-locking of a modulated single overlayer in a nanotribology simulation 419 (1998) 29

E.A. Soares, V.B. Nascimento, V.E. de Carvalho, C.M.C. de Castilho, A.V. de Carvalho, R. Toomes and D.P. Woodruff, Structure determination of Ag(111) by low-energy electron diffraction 419 (1999) 89

J.E. Gayone, E.A. Sánchez and O. Grizzi, Adsorption kinetics and surface unrelaxation in H:GaAs(110) studied by time-of-flight scattering and recoiling spectrometry 419 (1999) 188

E. Platzgummer, M. Sporn, R. Koller, S. Forsthuber, M. Schmid, W. Hofer and P. Varga, Temperature-dependent segregation on $Pt_{25}Rh_{75}$(111) and (100) 419 (1999) 236

Surface roughening

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

K. Sudoh, T. Yoshinobu and H. Iwasaki, Statistical analysis of step meandering on Si(113) miscut along a low symmetry azimuth 419 (1999) 128

Surface segregation

P. Deurinck and C. Creemers, Monte Carlo simulation of Cu segregation and ordering at the (110) surface of $Cu_{75}Pd_{25}$ 419 (1998) 62

J.Y. Wang, J. du Plessis, J.J. Terblans and G.N. van Wyk, The discontinuous surface transition in the Cu(111)(Ag) binary segregating system 419 (1999) 197

E. Platzgummer, M. Sporn, R. Koller, S. Forsthuber, M. Schmid, W. Hofer and P. Varga, Temperature-dependent segregation on $Pt_{25}Rh_{75}$(111) and (100) 419 (1999) 236

Surface structure, morphology, roughness, and topography

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100

M.M. Kamna, T.M. Graham, J.C. Love and P.S. Weiss, Strong electronic perturbation of the Cu{111} surface by 7,7′, 8,8′-tetracyanoquinonedimethane 419 (1998) 12

J. Günster, H. Kawanowa, T. Tanaka and R. Souda, An investigation of the YB_{66}(100) surface 419 (1998) 38

E.A. Soares, V.B. Nascimento, V.E. de Carvalho, C.M.C. de Castilho, A.V. de Carvalho, R. Toomes and D.P. Woodruff, Structure determination of Ag(111) by low-energy electron diffraction 419 (1999) 89

N. Sanada, S. Mochizuki, S. Ichikawa, N. Utsumi, M. Shimomura, G. Kaneda, A. Takeuchi, Y. Suzuki, Y. Fukuda, S. Tanaka and M. Kamata, The (2 × 4) and (2 × 1) structures of the clean GaP(001) surface 419 (1999) 120

K. Sudoh, T. Yoshinobu and H. Iwasaki, Statistical analysis of step meandering on Si(113) miscut along a low symmetry azimuth 419 (1999) 128

T. Nagao, S. Ohuchi, Y. Matsuoka and S. Hasegawa, Morphology of ultrathin manganese silicide on Si(111) 419 (1999) 134

M. Stichler and D. Menzel, A systematic investigation of the geometrical structures of four oxygen/nitric oxide coadsorbate layers on Ru(001) 419 (1999) 272

C. Setzer, J. Platen, W. Ranke and K. Jacobi, Low energy electron diffraction and photoelectron spectroscopy study of GaAs(113)A and ($\bar{1}\bar{1}\bar{3}$)B surfaces prepared by molecular beam epitaxy and by ion bombardment and annealing 419 (1999) 291

Surface thermodynamics (including phase transitions)

I. Chizhov, G. Lee, R.F. Willis, D. Lubyshev and D.L. Miller, Evolution of the GaAs(001) surface structure during the transition from the As-rich (2 × 4) to the Ga-rich (4 × 2) reconstruction 419 (1998) 1

P. Deurinck and C. Creemers, Monte Carlo simulation of Cu segregation and ordering at the (110) surface of $Cu_{75}Pd_{25}$ 419 (1998) 62

Surface waves

Plasmons

T. Nagatomi, R. Shimizu and R.H. Ritchie, Energy loss functions for electron energy loss spectroscopy 419 (1999) 158

Thermal desorption

N.A. Saliba, Y.-L. Tsai, C. Panja and B.E. Koel, Oxidation of Pt(111) by ozone (O_3) under UHV conditions 419 (1999) 79

H.L. Nigg, L.P. Ford and R.I. Masel, The surface chemistry of 1,1,1-trifluoro-2,4-pentanedione on clean and oxygen precovered Cu(210). A comparison with 1,1,1,5,5,5-hexafluoro-2,4-pentanedione and 2,4-pentanedione surface chemistry on the same surfaces 419 (1999) 97

Tribology

Ph. Depondt, A. Ghazali and J.-C.S. Lévy, Self-locking of a modulated single overlayer in a nanotribology simulation 419 (1998) 29

Vibrations of adsorbed molecules

J.C. Soetens, C. Millot, P.N.M. Hoang and C. Girardet, Molecular dynamics simulation of polarizable ice adlayers on MgO(100) 419 (1998) 48

Wetting

S.J. Chey, L. Huang and J.H. Weaver, Self-assembly of multilayer arrays from Ag nanoclusters delivered to Ag(111) by soft landing 419 (1998) L100